



SEQUENCE LISTING

<110> Millennium Pharmaceuticals, Inc.
Law, Deborah Ann
Phillips, David R.

<120> Transgenic Mice Expressing Mutant GP IIIa (beta-3) Protein

<130> MPI98-148P1USM

<140> US 09/673,302
<141> 2001-03-23

<150> US 60/115,516
<151> 1998-04-15

<150> PCT/US99/08285
<151> 1999-04-15

<160> 7

<170> PatentIn Ver. 2.1

<210> 1
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of GP IIIa integrin beta-3 subunit

<220>
<221> Variant
<222> (1)...(66)
<223> Xaa = any amino acid

<220>
<221> Variant
<222> (41)...(48)
<223> This segment of any amino acids can be from
zero to eight amino acids long.

<220>
<221> Variant
<222> (56)...(66)
<223> This segment of any amino acids can be from
zero to eleven amino acids long.

<400> 1
Lys Leu Leu Leu Thr Thr His Asp Arg Lys Glu Phe Ala Lys Phe Glu
1 5 10 15
Glu Glu Arg Ala Arg Ala Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr
20 25 30
Lys Glu Ala Thr Ser Thr Phe Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45
Asn Ile Thr Tyr Arg Gly Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa
65

<210> 2
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of integrin beta-6 subunit

<220>
<221> Variant
<222> (1)...(66)
<223> Xaa = any amino acid

<220>
<221> Variant
<222> (41)...(48)
<223> This segment of any amino acids can be from
zero to eight amino acids long.

<400> 2
Lys Leu Leu Val Ser Phe His Asp Arg Lys Glu Val Ala Lys Phe Glu
1 5 10 15

Ala Glu Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr
20 25 30

Arg Gly Ser Thr Ser Thr Phe Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu Ser Thr
50 55 60

Asp Cys
65

<210> 3
<211> 66
<212> PRT
<213> Mus musculus

<220>
<223> Segment of integrin beta-1 subunit

<220>
<221> Variant
<222> (1)...(66)
<223> Xaa = any amino acid

<220>
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<222> (41)...(48)
<223> This segment of any amino acids can be from
zero to eight amino acids long.

<220>

<221> Variant
 <222> (56)...(66)
 <223> This segment of any amino acids can be from
 zero to eleven amino acids long.

 <400> 3
 Lys Leu Leu Met Leu Ile His Asp Arg Arg Glu Glu Ala Lys Glu Glu
 1 5 10 15
 Lys Glu Lys Met Asn Ala Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr
 20 25 30
 Lys Ser Ala Val Thr Thr Val Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 35 40 45
 Asn Pro Lys Tyr Glu Gly Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 50 55 60
 Xaa Xaa
 65

<210> 4
 <211> 66
 <212> PRT
 <213> Mus musculus

<220>
 <223> Segment of integrin beta-5 subunit

<220>
 <221> Variant
 <222> (1)...(66)
 <223> Xaa = any amino acid

<220>
 <221> Variant
 <222> (58)...(66)
 <223> This segment of any amino acids can be from
 zero to nine amino acids long.

<400> 4
 Lys Leu Leu Val Thr Ile His Asp Arg Arg Glu Phe Ala Lys Phe Gln
 1 5 10 15
 Ser Glu Arg Ser Arg Ala Arg Tyr Glu Met Ala Ser Asn Pro Leu Tyr
 20 25 30
 Arg Lys Pro Ile Ser Thr His Thr Val Asp Phe Thr Phe Asn Lys Phe
 35 40 45
 Asn Lys Ser Tyr Asn Gly Thr Val Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 50 55 60
 Xaa Xaa
 65

<210> 5
 <211> 66
 <212> PRT

<213> Mus musculus

<220>

<223> Segment of integrin beta-2 subunit

<220>

<221> Variant

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<223> Xaa = any amino acid

<220>

<221> Variant

<222> (41)...(48)

<223> This segment of any amino acids can be from
zero to eight amino acids long.

<220>

<221> Variant

<222> (56)...(66)

<223> This segment of any amino acids can be from
zero to eleven amino acids long.

<400> 5

Lys	Ala	Leu	Thr	His	Leu	Ser	Asp	Leu	Arg	Glu	Tyr	Arg	Arg	Phe	Glu
1				5				10						15	

Lys	Glu	Lys	Leu	Lys	Ser	Gln	Trp	Asn	Asn	Asp	Xaa	Asn	Pro	Leu	Phe
			20					25					30		

Lys	Ser	Ala	Thr	Thr	Thr	Val	Met	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
			35				40					45			

Asn	Pro	Lys	Phe	Ala	Glu	Ser	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa
	50					55					60				

Xaa	Xaa
	65

<210> 6

<211> 66

<212> PRT

<213> Mus musculus

<220>

<223> Segment of integrin beta-7 subunit

<220>

<221> Variant

<222> (1)...(66)

<223> Xaa = any amino acid

<220>

<221> Variant

<222> (41)...(48)

<223> This segment of any amino acids can be from
zero to eight amino acids long.

<220>

<221> Variant

<222> (61)...(66)

<223> This segment of any amino acids can be from
zero to six amino acids long.

<400> 6

Arg Leu Ser Val Glu Ile Tyr Asp Arg Arg Glu Tyr Ser Arg Phe Glu
1 5 10 15

Lys Glu Gln Gln Gln Leu Asn Trp Lys Gln Asp Ser Asn Pro Leu Tyr
20 25 30

Lys Ser Ala Ile Thr Thr Thr Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Asn Pro Arg Phe Gln Glu Ala Asp Ser Pro Thr Leu Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa
65

<210> 7

<211> 65

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus
sequence for segment of integrin beta subunits

<220>

<221> Variant

<222> (1)...(65)

<223> Xaa = any amino acid

<220>

<221> Variant

<222> (41)...(48)

<223> This segment of any amino acids can be from
zero to eight amino acids long.

<220>

<221> Variant

<222> (56)...(65)

<223> This segment of any amino acids can be from
zero to ten amino acids long.

<400> 7

Lys Leu Leu Val Xaa Ile His Asp Arg Arg Glu Phe Ala Lys Phe Glu
1 5 10 15

Xaa Glu Xaa Xaa Xaa Ala Xaa Trp Xaa Xaa Xaa Xaa Asn Pro Leu Tyr
20 25 30

Lys Xaa Ala Xaa Xaa Thr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Asn Xaa Xaa Tyr Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa
65